

FULL PRESSURE SUIT TEST LOG

SUBJECT # 1055  
 SUIT # -2  
 OUTER GARMENT W/FLOAT GEAR -2  
 HELMET # -2  
 GLOVES # -1  
 BOOTS -2

FLIGHT DATE 29 Oct 67DON 1010DOFF 1525TIME IN SUIT 5715TECHNICIAN [REDACTED]

25X1A

<u>PRESS-TO-TEST</u>	<u>PRE-FLIGHT</u>	<u>SUBJECT TEST</u>	<u>POSTFLIGHT</u>
<u>SYSTEM #1</u>			
Max Pressure	<u>104</u>	<u>118</u>	<u>102</u>
Differential	<u>1.2</u>	<u>1.2</u>	<u>1.2</u>
Leak Rate	<u>1100</u>	<u>950</u>	<u>1250</u>
<u>SYSTEM #2</u>			
Max Pressure	<u>112</u>	<u>110</u>	<u>112</u>
Differential	<u>1.2</u>	<u>1.2</u>	<u>12.2</u>
Leak Rate	<u>1200</u>	<u>950</u>	<u>1300</u>
Unpress. Leak Rate	<u>300</u>	<u>350</u>	<u>450</u>
Face Heat	<u>18.50kms</u>		
Commo and Cord	<u>ok</u>		
Pencils	<u>✓</u>		
Knife	<u>✓</u>		
Controller Number	<u>33</u>		
Packet			
Grease Zippers	<u>✓</u>		
Check Location of CO <sub>2</sub>	<u>✓</u>		
Pressure Tap Screws		<u>✓</u>	

## PRESSURE SUIT HOOK-UP CHECKLIST

1. Packet in pocket.
2. Stirrups secured.
3. Foot rest guards over seat foot rests.
4. Communications secured and functioning.
5. Face heat ON (LOW).
6. Oxygen hoses secured in QD.
7. Three harness snaps secured - harness adjusted and surplus stowed.
8. Kit adjusted and surplus stowed.
9. Two (2) bailout hoses secured.
10. Lap belt, shoulder harness, key, secured and adjusted.
11. Oxygen hoses under right leg strap, chest strap under helmet hold-down.
12. Emergency oxygen lanyard secured and pin removed.
13. Green apple secured.
14. Red knob secured.
15. Manual over-ride handle secured.
16. Two (2) Rocket-Jet releases secured.
17. Press-to-test both O<sub>2</sub> Systems, (LOW pressure-#1 Sys 80/85 #2 Sys 110).
18. Check face heat.
19. Re-adjust lap belt.
20. Kit lanyard secured to D-ring.
21. Parachute beacon; AUTOMATIC( ), UNSNAPPED( ), SNAPPED(✓).
22. Departing LOX quantity, #1 System 9.5 #2 System 9.25 TIME 1031Z
23. Returning LOX quantity, #1 System 7.0 #2 System 9.0 TIME 1520.

25X1A SUBJECT

1055

AIRCRAFT NUMBER 127

TECHNICI

DATE OF FLIGHT 29 Oct 67

EQUIPMENT PREFLIGHT FOR HIGH FLIGHT

PARACHUTE

- ✓ 1. Ripcord pins seated (main and first stage).
- ✓ 2. Pack opening elastics secured.
- ✓ 3. First stage jettison mated and pins secured.
- ✓ 4. Two (2) rocket jet units secured.
- ✓ 5. Manual over ride handle secured.
- ✓ 6. Green apple secured.
- ✓ 7. Red knob secured.
- ✓ 8. Bailout hoses adjusted for pressure suit.
- ✓ 9. Bailout hose connectors operating.
- ✓ 10. Harness adjusted for HIGH flight.
- ✓ 11. Automatic openers - triggered and reset.
- ✓ 12. Aneroids 1400' to 7500'.
- ✓ 13. Bailout cylinder pins secured.
- ✓ 14. Bailout cylinder pressure #1 1800 + #2 1800 +
- ✓ 15. Communication cord secured to chute.
- ✓ 16. Visual inspection completed.

L.P. # 3  
S.H. # 5

SURVIVAL KIT

- ✓ 1. Yellow handle secured.
- ✓ 2. Trigger clearance.
- ✓ 3. Kit disconnects secured.
- ✓ 4. Lid secured.
- ✓ 5. Visual condition.

INSTALLATION

- ✓ 1. Vent secured at disconnect.
- ✓ 2. Kit secured to chute - loose.
- ✓ 3. Emergency oxygen lanyard secured to chute and pin installed.
- ✓ 4. Communication cord secured at disconnect.
- ✓ 5. Vent hose secured to chute.
- ✓ 6. Pin secured in QD and safetied.
- ✓ 7. Oxygen system low pressure #1 55/65 #2 65/75.
- ✓ 8. Pip pin in "O" ring.
- ✓ 9. Stirrup cables extended and operating freely.
- ✓ 10. Foot rest guards over seat foot rest.

SUBJECT 1055 AIRCRAFT NUMBER 127

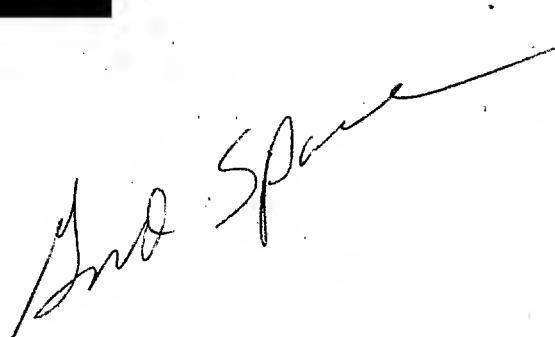
25X1A TECHNICIAN ██████████ DATE OF FLIGHT 29 OCT 67

SEAT KIT NUMBER 55 PARACHUTE NUMBER 102

TYPE CUSHION 513 VENT HOSE NUMBER 66

## PRESSURE SUIT HOOK-UP CHECKLIST

1.  Packet in pocket.
2.  Stirrups secured.
3.  Foot rest guards over seat foot rests.
4.  Communications secured and functioning.
5.  Face heat ON (LOW).
6.  Oxygen hoses secured in QD.
7.  Three harness snaps secured - harness adjusted and surplus stowed.
8.  Kit adjusted and surplus stowed.
9.  Two (2) bailout hoses secured.
10.  Lap belt, shoulder harness, key, secured and adjusted.
11.  Oxygen hoses under right leg strap, chest strap under helmet hold-down.
12.  Emergency oxygen lanyard secured and pin removed.
13.  Green apple secured.
14.  Red knob secured.
15.  Manual over-ride handle secured.
16.  Two (2) Rocket-Jet releases secured.
17.  Press-to-test both O<sub>2</sub> Systems, (LOW pressure-#1 Sys 70/75 #2 Sys 90/95).
18.  Check face heat.
19.  Re-adjust lap belt.
20.  Kit lanyard secured to D-ring.
21.  Parachute beacon; AUTOMATIC(  ), UNSNAPPED(  ), SNAPPED(  ).
22.  Departing LOX quantity, #1 System 9.5 #2 System 9.75 TIME \_\_\_\_\_.
23.  Returning LOX quantity, #1 System \_\_\_\_\_ #2 System \_\_\_\_\_ TIME \_\_\_\_\_.

SUBJECT 25X1A 1054AIRCRAFT NUMBER 129TECHNICIAN [REDACTED]DATE OF FLIGHT 22 Oct 67


EQUIPMENT PREFLIGHT FOR HIGH FLIGHT

PARACHUTE

- 1. Ripecord pins seated (main and first stage).
- 2. Pack opening elastics secured.
- 3. First stage jettison mated and pins secured.
- 4. Two (2) rocket jet units secured.
- 5. Manual over ride handle secured.
- 6. Green apple secured.
- 7. Red knot secured.
- 8. Bailout hoses adjusted for pressure suit.
- 9. Bailout hose connectors operating.
- 10. Harness adjusted for HIGH flight.
- 11. Automatic openers - triggered and reset.
- 12. Aneroids 1400' to 7500'.
- 13. Bailout cylinder pins secured.
- 14. Bailout cylinder pressure #1 1800+ #2 1800+.
- 15. Communication cord secured to chute.
- 16. Visual inspection completed.

S.H. 7  
L.P. 4

SURVIVAL KIT

- 1. Yellow handle secured.
- 2. Trigger clearance.
- 3. Kit disconnects secured.
- 4. Lid secured.
- 5. Visual condition.

INSTALLATION

- 1. Vent secured at disconnect.
- 2. Kit secured to chute - loose.
- 3. Emergency oxygen lanyard secured to chute and pin installed.
- 4. Communication cord secured at disconnect.
- 5. Vent hose secured to chute.
- 6. Pin secured in QD and safetied.
- 7. Oxygen system low pressure #1 15185 #2 10460.
- 8. Pip pin in "D" ring.
- 9. Stirrup cables extended and operating freely.
- 10. Foot rest guards over seat foot rest.

SUBJECT 1054 AIRCRAFT NUMBER 129  
25X1A TECHNICIAN ██████████ DATE OF FLIGHT 29 Oct 67  
SEAT KIT NUMBER 54 PARACHUTE NUMBER 139  
TYPE CUSHION S/13 VENT HOSE NUMBER ██████████ .71

FULL PRESSURE SUIT TEST LOG

SUBJECT # 1054  
 SUIT # -3  
 OUTER GARMENT W/FLOAT GEAR -3  
 HELMET # -4  
 GLOVES # -2  
 BOOTS -2

FLIGHT DATE 29 oct 67

DON \_\_\_\_\_

DOFF \_\_\_\_\_

TIME IN SUIT 25X1A

TECHNICIAN \_\_\_\_\_

<u>PRESS-TO-TEST</u>	<u>PRE-FLIGHT</u>	<u>SUBJECT TEST</u>	<u>POSTFLIGHT</u>
<u>SYSTEM #1</u>			
Max Pressure	<u>108</u>	<u>112</u>	<u>114</u>
Differential	<u>1.1</u>	<u>1.3</u>	<u>1.1</u>
Leak Rate	<u>1200</u>	<u>500</u>	<u>800</u>
<u>SYSTEM #2</u>			
Max Pressure	<u>108</u>	<u>120</u>	<u>112</u>
Differential	<u>1.1</u>	<u>1.3</u>	<u>1.1</u>
Leak Rate	<u>1250</u>	<u>500</u>	<u>900</u>
Unpress Leak Rate	<u>450</u>	<u>500</u>	<u>400</u>
Face Heat	<u>19-2</u>	<u>✓</u>	
Commo and Cord	<u>✓</u>	<u>✓</u>	
Pencils	<u>✓</u>	<u>✓</u>	
Knife	<u>✓</u>	<u>✓</u>	
Controller Number	<u>71</u>	<u>71</u>	
Packet	<u>✓</u>	<u>✓</u>	
Grease Zippers	<u>✓</u>	<u>✓</u>	
Check Location of CO <sub>2</sub>	<u>✓</u>	<u>✓</u>	
Pressure Tap Screws		<u>✓</u>	<u>✓</u>

\* \* \* TOP SECRET \* \* \*

Mission BX-6733

DCOL CHECK LIST  
 \* DENOTES MANDATORY CALL TO COMMAND POST UPON COMPLETION

H-24:00 TO H-23:30: SECURE SUITS, CHUTES, KITS AND VENT UNITS: ..... 1110 - 1140  
 DESIGNATE LIFE SUPPORT TECHNICIANS: [REDACTED] 25X1A  
 F.M. /22  
 D.S. /29

H-23:30: ATTEND COMMANDERS BRIEFING: ..... 1140  
 SUBMIT HANGAR ACCESS ROSTER: 5 CYS 1-MC 3-SECURITY 1-DCOL .....  
 SUBMIT RECOVERY ROSTER: 3 CYS 1-MC 1-ADMIN 1-DCOL .....  
 1310 - 1810

H-22:00 TO H-17:00: PREFLIGHT:  
 BOTH SUITS (EA PILOT) .....  
 PARACHUTE AND EMERGENCY O2 SYSTEMS .....  
 SEAT KIT COMPONENTS .....  
 SUIT ROOM VENT .....  
 LOX VENT UNIT .....  
 OXYGEN CYLINDERS .....  
 TEST EQUIPMENT .....  
 TRANSPORT VANS .....  
 1140 -  
 10810 - 0930  
 10910

H-21:00: NOTIFY SECURITY, SEAT KIT AVAILABLE FOR PACKING: .....  
 H-3:00 TO H-1:40: PPEPAPE PREBREATHING ROOM FOR RECEIPT OF PILOT: .....  
 H-2:00 PERSONALLY CHECK WITH MISSION COORDINATOR AT C.P. TO VERIFY NAMES OF  
 PRIMARY AND SPARE PILOTS AND AIRCRAFT:  
 P .....  
 S .....  
 INSTALL SEAT KIT AND PARACHUTE: .....  
 10910

H-2:00: RECEIVE PACKET FROM INTELLIGENCE .....  
 10925-0940

H-1:45 TO H-1:30: SECURITY INSPECTS SUITS: .....  
 0950-1000

H-1:20 TO H-1:10: FLIGHT SURGEON MEDICAL IN DCOL: .....  
 1000-1010

H-1:10 TO H-1:00: DRESS PILOT, PRESSURE CHECK EQUIPMENT: .....  
 1020-1025

H-0:50 TO H-0:45: TRANSPORT TO AIRCRAFT: .....  
 1025-1035

\*H-0:45 TO H-0:35: PILOT HOOKUP AND SUIT A/C CHECK: .....  
 1035-1110

H-0:35 TO TAKEOFF: STANDBY IN DCOL AND PACK LOW RECOVERY EQUIPMENT: .....  
 1050-1100

LANDING: REMOVE PILOT, TRANSPORT PILOT BACK TO DCOL, DESUIT PILOT: .....  
 1100-1110

DEBRIEF PILOT, EVALUATE AND CHECK RELIABILITY OF EQUIPMENT: .....  
 1120-1125

POST-FLIGHT EQUIPMENT: .....  
 1125-1135

1135-1210

\* \* \* TOP SECRET \* \* \*

25X1A

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## MISSION PILOTS ACTIVITY SCHEDULE FOR OPERATIONAL MISSION

H-HOUR TIME PRIMARY	LOCAL TIME PRIMARY	H-HOUR TIME PRIMARY	LOCAL TIME SPARE	ITEM	LOCATION
H -22:30	<u>1240</u>			Pre-Mission Physical Exam	Flt Surg
H -21:30	<u>1340</u>			Eating	A/C Mess
H-20:30	<u>1440</u>			Recreation activities IN AND AROUND BX 6732 as scheduled	Selected Area
H -18:00	<u>1710</u>			Intelligence Review	DCOMI
H -17:00	<u>1810</u>			Initial brief & Recreation	DCO Brief Rm
H -14:00	<u>2110</u>			Eating	A/C Mess
H -13:00	<u>2210</u>			Crew Rec. / DRY BY	Asgd. Room
H -4:00	<u>0710</u>			Wake/up Psychological Ck	Asgd. House / Crew Mess
H -3:30	<u>0740</u>			Final Briefing	DCO Brief Rm
H -2:30	<u>0840</u>			Breakfast	A/C Mess
H -1:20	<u>0950</u>	H 0:20	<u>1050</u>	Final Physical Evaluation	DCOL
H -1:10	<u>1000</u>	H -1:10	<u>1100</u>	Suiting	DCOL
H -:50	<u>1020</u>	H +:10	<u>1120</u>	Leave Ops	Transport Van
H -:45	<u>1025</u>	H +:15	<u>1125</u>	Arrive Aircraft	Hangar
H -:30	<u>1040</u>	H +:30	<u>1140</u>	Start Engine	Hangar
H -:20	<u>1050</u>	H +:40	<u>1150</u>	Taxi	Aircraft
H -:05	<u>1105</u>	H +:55	<u>1205</u>	Trim Engine	Aircraft
H -:00	<u>1110</u>	H +1:00	<u>1210</u>	Take Off	Aircraft
L +:25				Post Mission Physical	DCOL
L +:45				Cps Debrief	DCO Brief Rm
L +1:00				Mission Debrief	DCO Brief Rm
L +3:30				Released	

TOP

TOP SECRET

FROM: Mission Coordinator

29 OCT 1967

SUBJECT: Mission Alert Notification

TO: (See Below)

Request your attendance at the Commander's Briefing to be held in the Operations Briefing Room on N/A 1967 at

L. The briefing concerns the following:

1. Mission Code Name and Number: BX 6733
2. Date/Time of Launch (H-Hour): 29 10210 Z/1110 L.
3. Ground Spare (H+1:00): 29 10310 Z/1212 L.
4. Bases: Takeoff KAD Staging    Landing KAD

25X1D

6. Ground spare requirements: ONE IS PRIMARY

7. Special Instructions/Comments: THIS WILL BE NO CMDR'S BRIEFING. IF YOU HAVE ANY QUESTIONS OR PROBLEMS PLEASE SUBMIT THEM TO MIA COORD. IN WRITING.

Mission Coordinator

Office	Time(L)	Recipient	Office	Time(L)	Recipient
CMDR			DCCL		
DCO			DOOC/MC		
DCM			DCOMR		
DCS			DCOW		
SECUR			COMMO		
FLT SURG			AFCS		(Notify Only)
DCOM			TCFPC(SAC)		(Notify Only)

TOP SECRET

PHYSIOLOGICAL SUPPORT DEBRIEFING

25X1A

DATE 29 OCT 67 ACFT 129 PILOT REDACTEDTIME IN FLIGHT 4400 TIME IN SUIT 5115 PREBREATHING TIME 1700SATISFACTORY UNSATISFACTORY

1. PHYSICAL CONDITION (PILOT)

#55

2. SURVIVAL KIT AND CUSHION SIB3. PARACHUTE SIN 1024. HELMET - 2

A. REFLECTIONS

B. FACE HEAT

C. COMMUNICATIONS

5. SUIT PROPER - 2A. CABIN DECOMPRESSION: YES  NO6. OUTER GARMENT - 27. BOOTS AND SPURS, Q.D. Type8. GLOVES - 1

9. OXYGEN SYSTEM

DEPART		RETURN	
TIME	AMT	TIME	AMT

#1 1031 9.5 1520 70#2 1031 9.25 1520 9.0

10. MISCELLANEOUS

11. EVALUATION ITEMS

A.

25X1A

B.

C.

D.

E.

12. REMARKS: (EXPLAIN UNSATISFACTORY REPORT)